PATENT COOPERATION TREATY

From the: INTERNATIONAL SEARCHING AUTHORITY			CORRECTED VERSION			
То:	· · · · · · · · · · · · · · · · · · ·	PCT				
A J Park & Son		,				
PO Box 949						
Wellington 6001		WRITTEN OPINION OF THE				
NEW ZEALAND		INTERNATIONAL SEARCHING AUTHORITY				
			(PCT Rule 43bis.1)			
		Date of mailing 25 OCT 2004 (day/month/year)				
Applicant's or agent's file reference		FOR FURTHER ACTION				
501792 TVG		See paragraph 2 below				
•	ernational filing date	(day/month/year)	Priority date (day/month/year)			
	July 2004		18 July 2003			
International Patent Classification (IPC) or both	n national classifica	ation and IPC	·			
Int. Cl. 7 A61K 35/74, A61P 31/04		·	-			
Applicant						
BLIS TECHNOLOGIES LIMITED	et al					
1. This opinion contains indications relating	to the following its	ems:				
X Box No. I Basis of the opinion	,		•			
Box No, II Priority						
	ninion with regard to	novelty inventive sten	and industrial applicability			
Box No. IV Lack of unity of inventi-		noverty, inventive step a	and industrial applicatifity			
X Box No. V Reasoned statement und	ler Rule 43 <i>bis</i> .1(a)(i)	with regard to novelty, i	inventive step or industrial applicability;			
citations and explanation Box No. VI Certain documents cited		tatement				
Box No. VII Certain defects in the in	ternational application	on.				
Box No. VIII Certain observations on the international application						
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2. FURTHER ACTION						
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.						
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form						
PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220.						
•		•				
3. For further details, see notes to Form PCT/ISA/220.						
Name and mailing address of the IPEA/AU		Authorized Officer				
AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA		M. ONG				
E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929		Telephone No. (02) 6283 2491				

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/NZ2004/000153

Box	No. I Basis of the opinion					
1.	With regard to the language, this opinion has which it was filed, unless otherwise indicated	s been established on the l under this item.	e basis of the int	ernational	application in	n the language in
	This opinion has been established on the the following language international search (under Rules 12.3 a	, which is the language	rom the original of a translation	language furnished	into for the purpo	ses of
2.	With regard to any nucleotide and/or amino claimed invention, this opinion has been estal	acid sequence disclose	ed in the interna	tional appl	ication and n	ecessary to the
	a. type of material		• .			•
	a sequence listing					
•	table(s) related to the sequence list	ing	•			•
	b. format of material					
	in written format in computer readable form					
	c. time of filing/furnishing					•
	contained in the international applic	cation as filed.				
-	filed together with the international	-		٠.		
	furnished subsequently to this Auth					
3.	In addition, in the case that more than or filed or furnished, the required statement	ts that the information in	ı the subsequen	t or additic	mal conies is	identical to that
	in the application as filed or does not go	beyond the application	as filed, as appr	opriate, we	ere furnished.	•
4.	Additional comments:					
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/NZ2004/000153

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims 1-70	YES
	Claims	NO
Inventive step (IS)	Claims 1-70	YES
	Claims	NO
Industrial applicability (IA)	Claims 1-70	YES
	Claims	NO

2. Citations and explanations:

The following document identified in the International Search Report has been considered for the purposes of this report:

D1: WO 2003/0070919

Novelty (N):Claims 1-70

The invention is directed to the inhibition of halitosis causing anaerobic bacteria (eg. black pigmented *Prevotella, Eubacterium* and *Micromonas sp*) in the oral cavity by the introduction of a BLIS-producing S. salivarius or an extract thereof.

The document cited in the ISR were category A only. Therefore the subject matter of the present claims is not disclosed in any of the patent document cited. Hence the requirements of Article 33(2) PCT with regard to the requirement for novelty.

D1 was published after the priority date and will not be considered further. See however the indication in Box VI.

Inventive Step (IS):Claims 1-70

Claims 1-70 meet the criteria set out in PCT Article 33(3) with regard to the requirement of Inventive Step because the prior art does not obviously suggest to a person skilled in the art to use a BLIS-producing S. salivarius or an extract thereof to inhibit halitosis.

Industrial Applicability: Claims 1-70

Claims 1-70 have industrial applicability

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/NZ2004/000153

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Box No. VI	Certain docum	nents cited	·	· .			·			
1. Certain p	ublished documents	(Rules 43bis.1 a	nd 70.10)							
	eation No.	Publication (day/mont		Filing da (day/month/			date (valid cl <u>w/month/year</u>			
WO 20	03/070919	28/08	/03	21/02/0	3	•	22/02/02			
			. •							
•	,									
With regard to the internaticular re Under the Pea document consideratio	of a BLIS-product to the document(s ational filing date levance. CT, novelty is compublished after the n in preliminary extendisclosures (Rul	s) listed in Box V but later than th asidered only in the priority date is examination, und	or an extract VI under "certa the priority date of respect of docu the dependent upo the PCT Gu	in documents cite claimed but which ments published	cavity. d'', these an would of before the such docum	re document herwise be compriority date	ts published ponsidered to the considered to the considered to the constant of	be of		
Kind of	Kind of non-written disclosure			Date of non-written disclosure (day/month/year)			Date of written disclosure referring to non-written disclosure (day/month/year)			
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